

Electronic Acknowledgement Receipt

| | |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| EFS ID: | 6005792 |
| Application Number: | 10701017 |
| International Application Number: | |
| Confirmation Number: | 5830 |
| Title of Invention: | END-TO-END SERVICE QUALITY FOR LATENCY-INTENSIVE INTERNET PROTOCOL (IP) APPLICATIONS IN A HETEROGENEOUS, MULTI-VENDOR ENVIRONMENT |
| First Named Inventor/Applicant Name: | Siddhartha Nag |
| Customer Number: | 75671 |
| Filer: | William Breen/Kenneth Linder |
| Filer Authorized By: | William Breen |
| Attorney Docket Number: | PROM0009 |
| Receipt Date: | 02-SEP-2009 |
| Filing Date: | 03-NOV-2003 |
| Time Stamp: | 19:05:21 |
| Application Type: | Utility under 35 USC 111(a) |

Payment information:

| | |
|------------------------|----|
| Submitted with Payment | no |
|------------------------|----|

File Listing:

| Document Number | Document Description | File Name | File Size(Bytes)/Message Digest | Multi Part/.zip | Pages (if appl.) |
|-----------------|----------------------|-----------------|----------------------------------------------------|-----------------|------------------|
| 1 | | PROM0009IDS.pdf | 197299 e93cbf226ffef0ccdc31304915c8103cb41bd386 | yes | 6 |

| Multipart Description/PDF files in .zip description | | | | | | | |
|------------------------------------------------------------|---------------|----------------------------|---------------------------------------------------------|------------|----|--|--|
| Document Description | | | Start | End | | | |
| Transmittal Letter | | | 1 | 2 | | | |
| Information Disclosure Statement (IDS) Filed (SB/08) | | | 3 | 6 | | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 2 | NPL Documents | AdventNetProducts.pdf | 138573 0c578a5fcfffe7c27b147b7692fc6a5ca30b7f 2ac | no | 2 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 3 | NPL Documents | Aggarwal.pdf | 1613996 4b1a9492b0956032d22380838319b4034d 01e52a | no | 29 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 4 | NPL Documents | Almesberger.pdf | 775140 a23fb1afefa0d8286096518d66e041d5de35 6bbf | no | 10 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 5 | NPL Documents | Blakeetal.pdf | 1598426 07966ec019c53c5ebc9d54a88ac94097c12 69d40 | no | 34 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 6 | NPL Documents | BlefariMelazzi.pdf | 1028710 988c0eca6799acd4fba32ab6ede901f84e2e 892e | no | 11 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 7 | NPL Documents | CiscoIOS120pdf.pdf | 596914 8a22f2d7205a1a16f9282369848a84f93cff 38c | no | 12 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |
| 8 | NPL Documents | CiscoNetworkManagement.pdf | 219829 5bca95c12bfbeb97032e1af70baa2974287c bad5 | no | 5 | | |
| Warnings: | | | | | | | |
| Information: | | | | | | | |

| | | | | | |
|---|---------------|--------------------------|--------------------------------------------------------|----|----|
| 9 | NPL Documents | DiffServCiscoSystems.pdf | 833558 bde7138ffd623d22f91def5c842dda0730de dae1 | no | 19 |
|---|---------------|--------------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------|--------------------------------------------------------|----|---|
| 10 | NPL Documents | Entities.pdf | 383261 73cd3a0221adaa2c2430988d09f93af7f58d 8064 | no | 6 |
|----|---------------|--------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------|-------------------------------------------------------|----|---|
| 11 | NPL Documents | Greenstein.pdf | 648880 c127e35f1136e94423f09dc99786f93cbde f74a | no | 8 |
|----|---------------|----------------|-------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------|---------------------------------------------------------|----|---|
| 12 | NPL Documents | h323Primer.pdf | 287438 0c6c7068c03fabaa244f2bce9128f2ae8b733 ee7d | no | 5 |
|----|---------------|----------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------|-------------------------------------------------------|----|---|
| 13 | NPL Documents | HPSR2002TP.pdf | 421195 5d34bd7adab9a817f3d939246e3fb63dda 1a274 | no | 8 |
|----|---------------|----------------|-------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------|---------------------------------------------------------|----|-----|
| 14 | NPL Documents | HwangJunseok.pdf | 8105027 809cdcbc35525df07d47f208657e1f17bb1 b5eff | no | 204 |
|----|---------------|------------------|---------------------------------------------------------|----|-----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|--------------------------------------------------------|----|----|
| 15 | NPL Documents | ImplementingDiffServ.pdf | 702189 00d6b1efbce98948935dbf347631f79de66 6f342 | no | 22 |
|----|---------------|--------------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------------------|---------------------------------------------------------|----|----|
| 16 | NPL Documents | IntelligentDiagnosticsHP.pdf | 1853307 c4e3fbfc54953d1c9270331e6e410f68b493 2663 | no | 12 |
|----|---------------|------------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------|--------------------------------------------------------|----|---|
| 17 | NPL Documents | Jamalipour.pdf | 293386 daa9db9d79783da9f450552cd0da79339fe ebc41 | no | 4 |
|----|---------------|----------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-------------|--------------------------------------------------------|----|---|
| 18 | NPL Documents | Kimetal.pdf | 572509 31be0973fa659c0b3b162b737e9983dee5e ec8d6 | no | 5 |
|----|---------------|-------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|---------|--------------------------------------------------------|----|----|
| 19 | NPL Documents | Lee.pdf | 913458 69491cf06be3b10466fb06ade7c706196a9 e68ec | no | 13 |
|----|---------------|---------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------------|-------------------------------------------------------|----|----|
| 20 | NPL Documents | LowLatencyQueuing.pdf | 475567 ec135c2428b330e737a6f76491004ebac2 9e856 | no | 14 |
|----|---------------|-----------------------|-------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|---------------|---------------------------------------------------------|----|----|
| 21 | NPL Documents | Maxemchuk.pdf | 1603824 153c7706736d0373e915c562d42b8c8b6c7 b8705 | no | 18 |
|----|---------------|---------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|---------------------|--------------------------------------------------------|----|---|
| 22 | NPL Documents | MeraVoiceoverIP.pdf | 340883 d04cf038323ed925b216daf845d9c599246 706cf | no | 6 |
|----|---------------|---------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|------------|---------------------------------------------------------|----|----|
| 23 | NPL Documents | Muller.pdf | 1196518 6b6a40fa149cf53c46ad71c2fadf4189bf9d7 f87 | no | 12 |
|----|---------------|------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------|---------------------------------------------------------|----|----|
| 24 | NPL Documents | Nag11038445.pdf | 1287771 467faf30c6d1931382094d3ca212952419d b5f77 | no | 34 |
|----|---------------|-----------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------|---------------------------------------------------------|----|---|
| 25 | NPL Documents | NNMInteract.pdf | 166043 6d9eeff4e0456487f1d1db2d6bcfa3256f9c7 a2fa | no | 2 |
|----|---------------|-----------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------|--------------------------------------------------------|----|---|
| 26 | NPL Documents | NNMproducts.pdf | 201416 458cc34fcfb182668424830a79fb48d7929 843a7 | no | 2 |
|----|---------------|-----------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------------|---------------------------------------------------------|----|----|
| 27 | NPL Documents | PROM0002FOA11804.pdf | 1095572 e8d566abc82ffd974c5fa082099e37697ded 14e4 | no | 26 |
|----|---------------|----------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|
| 28 | NPL Documents | PROM0002NFOA32604.pdf | 674252 4231f5926285c7d2c40f5ba9d9495516298 da6e6 | no | 16 |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------------|--------------------------------------------------------|----|---|
| 29 | NPL Documents | PROM0002NOA72205.pdf | 331217 90a1cd1241ccb4410d3d81750ea72d02829 f39dc | no | 6 |
|----|---------------|----------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------------|---------------------------------------------------------|----|----|
| 30 | NPL Documents | PROM0003FOA051409.pdf | 2351338 9bbf0ee523c7d60060bd1f76d7c4ccb9d6d c5a98 | no | 14 |
|----|---------------|-----------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------------|---------------------------------------------------------|----|----|
| 31 | NPL Documents | PROM0003NFOA092208.pdf | 1621980 efc2d389a50a84c5165edf3df9e0939b67a9 7c4d | no | 10 |
|----|---------------|------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|--------------------------------------------------------|----|----|
| 32 | NPL Documents | PROM0004NFOA07272009.pdf | 398179 881fc1befc36bd0537133bd99a24a6e65db 3544d | no | 11 |
|----|---------------|--------------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------------|--------------------------------------------------------|----|---|
| 33 | NPL Documents | PROM0005AA032205.pdf | 103718 b2e3a229029c0226f2eb196f7081fe48b503 4e93 | no | 3 |
|----|---------------|----------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|----------------------|--------------------------------------------------------|----|---|
| 34 | NPL Documents | PROM0005AA060506.pdf | 150838 4405d23d0483c898361b03eba34636781ec 2c849 | no | 3 |
|----|---------------|----------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|
| 35 | NPL Documents | PROM0005FOA111004.pdf | 681981 d22325b127c36d6f8b82218a076e3a10e56 e8ab9 | no | 12 |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-------------------------|---------------------------------------------------------|----|---|
| 36 | NPL Documents | PROM0005FOA20050726.pdf | 1198410 a1511280f7ce2b4a7455d614d043d46095c 5f66d | no | 7 |
|----|---------------|-------------------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-------------------------|---------------------------------------------------------|----|---|
| 37 | NPL Documents | PROM0005FOA20080731.pdf | 1356979 a4f5bd869eac5f267c673edadefde9a167c0 3844 | no | 8 |
|----|---------------|-------------------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|
| 38 | NPL Documents | PROM0005NFOA20040209.pdf | 2465510 f3781f67731f50e0a5896185ff06f54644aa0 0bd | no | 13 |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|
| 39 | NPL Documents | PROM0005NFOA20080130.pdf | 1514209 2f4c7ec5f82e6b97f036a326b387e62f2d24 9da7 | no | 10 |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|
| 40 | NPL Documents | PROM0005NFOA20080725.pdf | 1468110 03ac8c3107ae6e9d330d499970148ec82c0 1af3b | no | 10 |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|--------------------------------------------------------|----|---|
| 41 | NPL Documents | PROM0005NFOA20090127.pdf | 1562882 b9aa24b797e8aef3c8a239e710a47c9bee d276d | no | 9 |
|----|---------------|--------------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-------------------------|--------------------------------------------------------|----|---|
| 42 | NPL Documents | PROM0005RFR20050405.pdf | 802043 f4d7bd00865460c20ec26cd3cf0a33e584e5 a4f9 | no | 5 |
|----|---------------|-------------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|-------------------------|-------------------------------------------------------|----|---|
| 43 | NPL Documents | PROM0006ISR20011219.pdf | 89983 6684528e47823a6b9883235be6d90e3ba0 001ebd | no | 3 |
|----|---------------|-------------------------|-------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|
| 44 | NPL Documents | PROM0008NFOA20060208.pdf | 3569615 fb3d9eff06b7bdee70c32f0255fa04b95054 e461 | no | 21 |
|----|---------------|--------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|---|
| 45 | NPL Documents | PROM0008NFOA20060914.pdf | 1319233 819e37a5452ca810f1db12c426461cfb16a1 a7da | no | 8 |
|----|---------------|--------------------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|---------------------------------------------------------|----|---|
| 46 | NPL Documents | PROM0008NFOA20070412.pdf | 1066938 7c6acf847cf7de7dfd7cbf7be1383f0d5fb79 7ea | no | 7 |
|----|---------------|--------------------------|---------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------------------------------|---------------------------------------------------------|----|----|
| 47 | NPL Documents | PROM0008NOAExaminerAmen d20070621.pdf | 3028395 e8810f0014b83b09ed2c45c09dfe3d42d35 6fbf4 | no | 20 |
|----|---------------|------------------------------------------|---------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|
| 48 | NPL Documents | PROM0010FOA101508.pdf | 746754 2e975076d520667ae8ea43a3224d44c1202 5b103 | no | 22 |
|----|---------------|-----------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------------|--------------------------------------------------------|----|----|
| 49 | NPL Documents | PROM0010NFOA022509.pdf | 809558 42c9e9f4269ec8fe0ce2256bf5dd76ee1b9d 7de7 | no | 25 |
|----|---------------|------------------------|--------------------------------------------------------|----|----|

Warnings:

Information:

| | | | | | |
|----|---------------|------------------------|--------------------------------------------------------|----|---|
| 50 | NPL Documents | PROM0010NFOA050708.pdf | 263403 e5290ea2c922f53313abfedf5bc617564646 f5bc | no | 8 |
|----|---------------|------------------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|--------------------------|-------------------------------------------------------|----|---|
| 51 | NPL Documents | PROM0014SearchReport.pdf | 49046 40dabc50abd8aadf10b05f07a1a71234b42 e53fb | no | 2 |
|----|---------------|--------------------------|-------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|------------|--------------------------------------------------------|----|---|
| 52 | NPL Documents | Roaten.pdf | 363379 3199206bc3a7c51e0f527019c7681a36d46f d872 | no | 9 |
|----|---------------|------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|----|---------------|---------------|--------------------------------------------------------|----|---|
| 53 | NPL Documents | Sileretal.pdf | 434339 2b089b95e9514438061a75ea03e5038ecd2 e0fe9 | no | 6 |
|----|---------------|---------------|--------------------------------------------------------|----|---|

Warnings:

Information:

| | | | | | |
|-------------------------------------|---------------|-------------------------|---------------------------------------------------------|----------|----|
| 54 | NPL Documents | SmartWay2004.pdf | 324884 0b188834d93bb1c83ab442da6421160ca4 bfa2ad | no | 4 |
| Warnings: | | | | | |
| Information: | | | | | |
| 55 | NPL Documents | SunyBingLecture.pdf | 231488 edc5170440739b9b3590a50b2d26d5f22d5 ba7f8 | no | 8 |
| Warnings: | | | | | |
| Information: | | | | | |
| 56 | NPL Documents | TerzisReservations.pdf | 282283 b33fae215a3e3d4e585fb29d234937ea6f40 5b9e | no | 3 |
| Warnings: | | | | | |
| Information: | | | | | |
| 57 | NPL Documents | TerzisRFC2746.pdf | 1089023 979bcd2579d2853758a929f79fa0d40301f7 774e | no | 25 |
| Warnings: | | | | | |
| Information: | | | | | |
| 58 | NPL Documents | Tewari.pdf | 341491 8e681be53ccfafc0b5ee2c5ab0c319fc209e bb3a | no | 5 |
| Warnings: | | | | | |
| Information: | | | | | |
| 59 | NPL Documents | PROM0013ISR20040528.pdf | 116706 7eb8187e8a9ab1985406f1b5e087909a486 ca7be | no | 4 |
| Warnings: | | | | | |
| Information: | | | | | |
| Total Files Size (in bytes): | | | | 58358853 | |

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.